Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/05/2020 09:59 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124997	-1	2.73	125032	2.77
Blue	F	SSC	125000	124697	-1	2.10	125328	2.10
Blue	E	FITC	15892	15442	-3	2.95	334	21.36
Blue	D	PE	29999	29354	-3	2.24	637	15.48
Blue	B	PerCP-Cy5-5	43732	43995	0	3.85	1182	20.77
Blue	A	PE-Cy7	30845	31270	1	6.14	593	42.11
Red	C	APC	46112	44977	-3	2.51	1578	12.04
Red	A	APC-Cy7	30458	30162	-1	2.43	796	11.61
Violet	B	V450	7918	7565	-5	4.45	436	13.24
Violet	A	V500	32171	30937	-4	4.20	728	10.52

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16184	10.35	632	11	N/A	N/A	Pass
Blue	F	SSC	57431	1.38	572	13	N/A	N/A	Pass
Blue	E	FITC	60	68.96	549	6	0.0179	170	Pass
Blue	D	PE	134	49.94	555	7	0.1363	213	Pass
Blue	B	PerCP-Cy5-5	219	50.70	662	6	0.0087	61	Pass
Blue	A	PE-Cy7	111	103.22	705	7	0.0103	15	Pass
Red	C	APC	381	25.17	587	3	0.0253	179	Pass
Red	A	APC-Cy7	176	28.66	559	3	0.0062	1422	Pass
Violet	B	V450	66	58.87	461	3	0.0463	1814	Pass
Violet	A	V500	108	37.40	477	3	0.0255	1543	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.24	-32.59	0.98
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.42
Red	17.31	13.60 - 20.40	N/A	N/A	29.91	30.42	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9642

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments